RISO INC. TECHNICAL INFORMATION BULLETIN

Subject: IT I/O P.C.B'S | Bulletin No: 45

☐ Factory Modification ☐ Field Modification ☐ Safety Information ■ Technical Information ☐ General Information ☐ Adv. Tech Information	Applies to: 2500 2700 3500	Modification Schedule: ☐ TBS ☐ Next Call ☐ Next PM ☐ As Necessary	Factory Installed _____ Field Installed _____ Fitting TIme _____

SUBJECT: IT 1/O P.C.B part number and discription change. No Modification Required.

Purpose: To concentrate the main circuit of the IT I/O P.C.B. on a Gate Array chip.

Reason: To simplify and make circuit board smaller.

Important Information

1.

New Part #	Description	Notes
007-52000	IT I/O P.C.B (GA) 256	2700 Glass Type Scanner
007-52001	IT I/O P.C.B (GA) 257	2700/2500 Blade Type Scanner
009-81005	IT I/O P.C.B (GA)	3500 Blade Type Scanner

2. Test point and VR position changes per 256 and 257 type P.C.B's are attached. The changes on the F (GA) can be found in the 3500 Technical Manual.

3. All old type P.C.B. are compatible to the new part regarding Image Scanner Type.

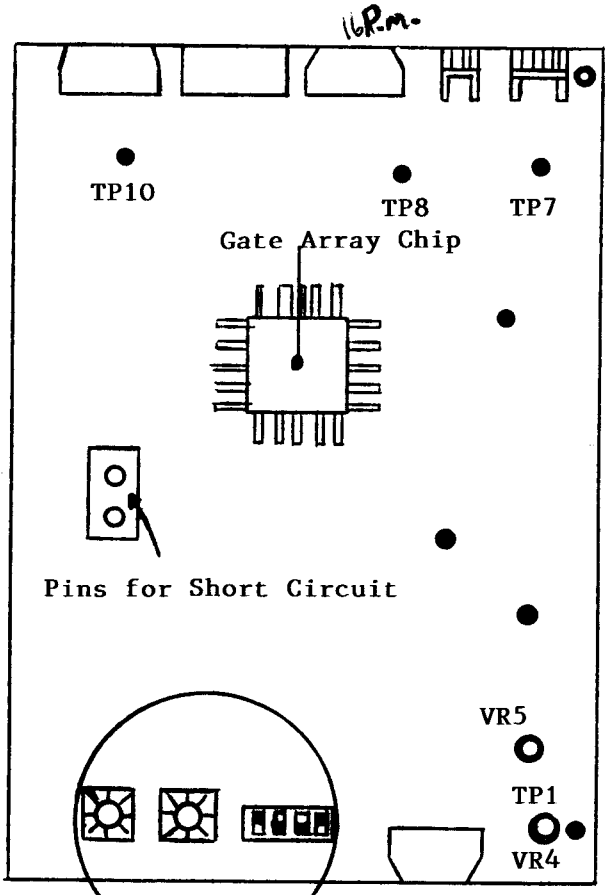
4. When installing a new type P.C.B on 3500 model - the rear (or 2nd) P.C.B is not needed. You can stock the older P.C.B and it's ribbon cable for future use and application to 3500 models that incorporate the use of two boards.

5. No modification is necessary. Riso, Inc. will only stock the newer type IT I/O P.C.B's. Please change your parts and price listing books.

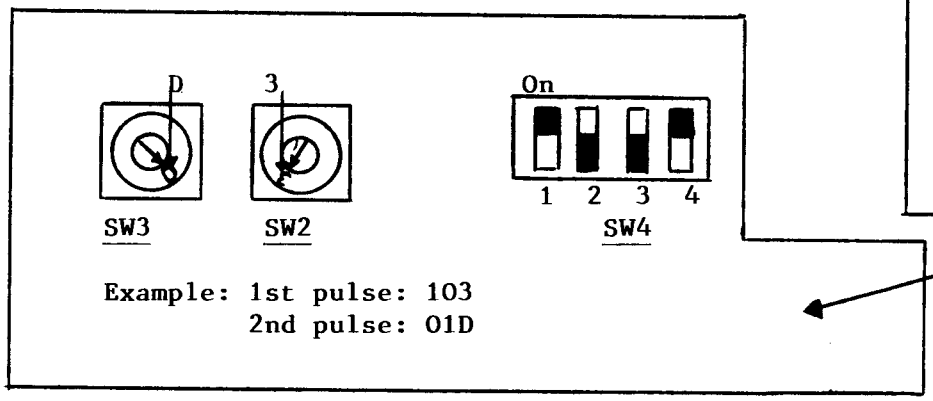
Subject: IT/I/O PCB (GA) 256 #007-52000 (Glass Image Scanner)

1) Change of Test Point positions

- TP1 - Ground
- TP7 - Slice Level
- TP8 - Output signal from CCD (Image Signal)
- TP10 - Connect to the external terminal of an osciloscope for syncronization



2) Change position of SWs for Thermal Head heating power



3) VR's for adjusting ACC Level and Slice Level

*VR4: For adjusting ACC Level

counter-clockwise - the lowest level of ACC goes up

clockwise - the lowest level of ACC goes down

*VR5: For adjusting Slice Level

counter-clockwise - the slice level goes up

clockwise - the slice level goes down

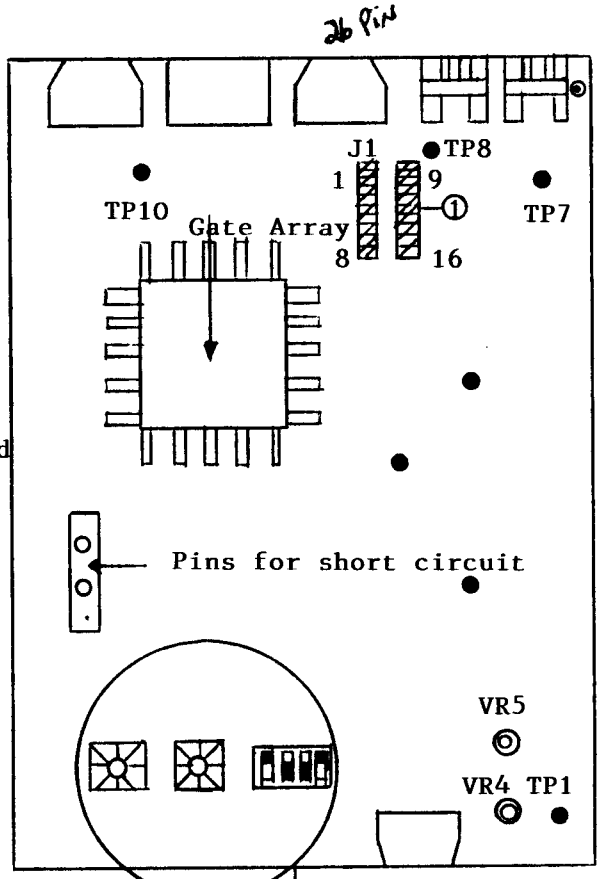
4) Pins for the short circuit have been added to get the Image Signal from TP8. To get the Image Signal Output from TP8 - short the pins with a clip.
Never fail to remove the short in Master Making Mode!!!

Subject: IT. I/O P.C.B. (G.A) - 257 #007-52001 (Blade Type Image Scanner)

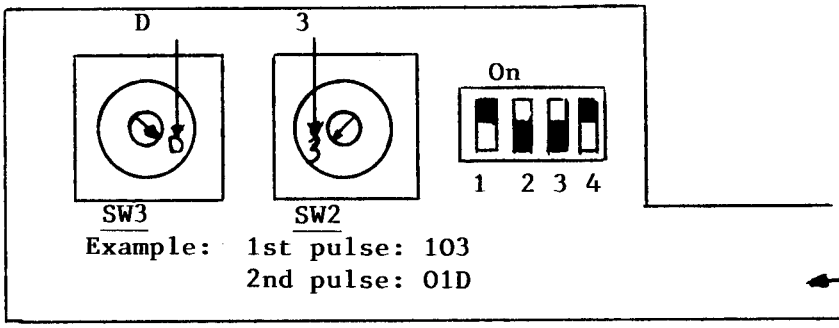
1) Change of test point positions:

TP1-Ground
TP7-Slice Level
TP8-Output Signal from CCD
(Image Signal)
TP10-Connect to ext terminal of osciloscope for syncronization.

** The 13th pin of J1**
For lighting up the LED arrays of the Image Scanner.

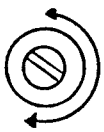


2) Change of position switches for the Thermal Head Heating Power.



Example: 1st pulse: 103
2nd pulse: 01D

3) VR's for adjusting ACC and slice levels.



VR4: For adjusting ACC level

counter-clockwise--the lowest level of ACC goes up
Clockwise--the lowest level of ACC goes down

VR5: For adjusting the slice level

counter-clockwise--The slice level goes up
clockwise--The slice level goes down

4) The pins for the "Short Circuit are added to get a Image Signal from TP8. To view the Image Signal with a osciloscope connect the scope to TP8 and ground, then short the circuit were indicated in the diagram. Remove when testing is completed.